

User Guide



AM/FM Stereo Receiver

NS-R2001



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Insignia NS-R2001

AM/FM Stereo Receiver

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-R2001 represents the state of the art in stereo receiver design and is designed for reliable and trouble-free performance.

Safety information

Electric shock warning



CAUTION
Risk of Electric Shock
Do Not Open



Warning

To reduce the risk of electric shock, do not remove the cover or back. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within your receiver's enclosure that may be of sufficient magnitude to risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying your receiver.

Warning

To prevent fire or electric shock hazard, do not expose this receiver to rain or moisture.

Caution

Your receiver should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on your receiver.

Ventilation

Caution

Do not block any ventilation openings. Install in accordance with these instructions.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of your receiver and to protect it from over-heating.

The openings should never be blocked by placing your receiver on a bed, sofa, rug, or other similar surface. This receiver should not be placed in a built-in installation such as a bookcase or rack unless correct ventilation is provided or these instructions have been adhered to.

Power cord

Caution

We recommend that most appliances be placed upon a dedicated circuit—a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this manual for power requirements.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire.

Periodically examine your receiver cord, and if its appearance indicates damage or deterioration, unplug it, discontinue use of your receiver, and have the cord replaced with an exact replacement part by an authorized service provider.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits your receiver.

To disconnect power from the outlet, pull out the plug. When installing your receiver, make sure that the plug is easily accessible.

Important safety instructions

Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

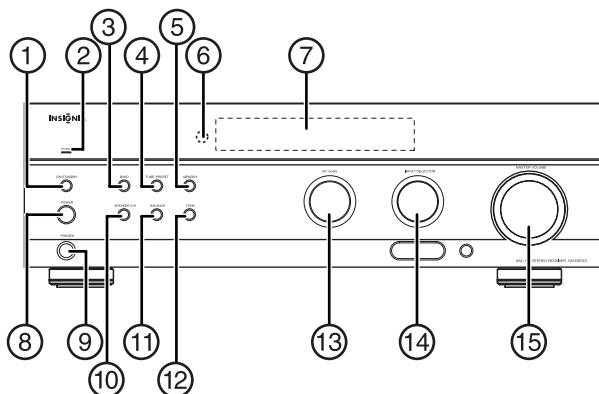
13. Unplug this apparatus during lightning storms or when unused for long periods of time.



14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

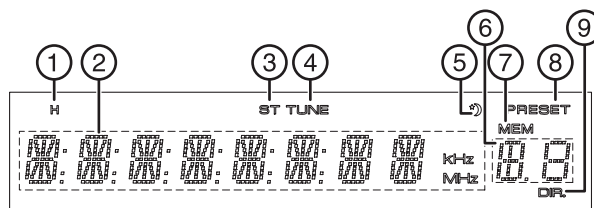
Features

Front controls



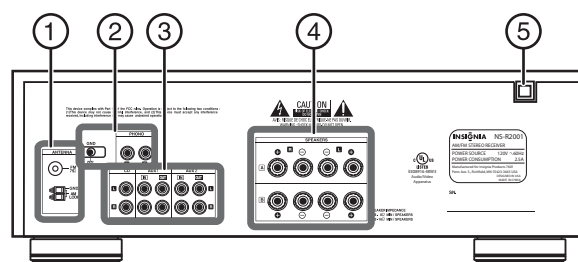
Item	Description	Function
1	ON/STANDBY button	Press to turn on your stereo receiver.
2	STANDBY indicator	Lights blue when your stereo receiver is in standby mode.
3	BAND button	Press to toggle between AM and FM.
4	TUNING/PRESET button	Press to toggle between tune and preset mode.
5	MEMORY button	Press to save a station preset. Press and hold to automatically search for FM stations and store them in memory.
6	Remote sensor	Receives the signal from the remote control.
7	Display	Provides information about the receiver.
8	POWER button	Press to turn the power on to your stereo receiver and put it into standby mode.
9	HEADPHONE jack	Plug stereo headphones into this jack.
10	SPEAKER A/B button	Press to toggle between speaker A and speaker B.
11	BALANCE button	Press to turn the balance mode on .
12	TONE button	Press to turn the tone mode on.
13	UP/DOWN knob	Turn to tune the radio up or down, or to adjust tone, balance, and so on, depending on the receiver mode.
14	INPUT SELECTOR knob	Turn to cycle through the available receiver inputs.
15	MASTER VOLUME control knob	Turn to increase or decrease the volume.

Florescent display



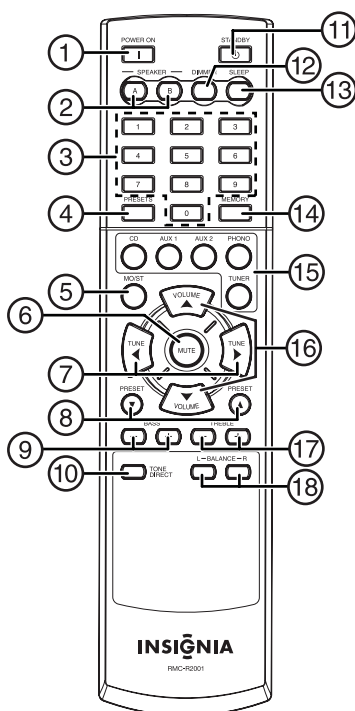
Item	Description
1	Headphone indicator
2	Input, frequency, volume level, operating information
3	STEREO indicator
4	TUNED indicator
5	SLEEP indicator
6	Preset number, sleep time display
7	PRESET indicator
8	MEMORY indicator
9	TONE DIRECT indicator

Back



Item	Description
1	AM and FM antenna jacks
2	PHONO jacks
3	Audio input jacks
4	Speaker terminals
5	AC power cord

Remote control



Item	Description	Function
1	POWER ON button	Press to turn the power on to your stereo receiver.
2	SPEAKER A and SPEAKER B buttons	Press to switch to speaker A or speaker B.
3	Number buttons	Press to enter a preset number.
4	PRESETS button	Press to scan preset stations in order. Press again to stop scanning.
5	MONO/STEREO button	Press to switch to mono or stereo mode.
6	MUTE button	Press to mute the sound from your receiver. Press again to restore the sound.
7	TUNE ◀/▶ buttons	Press to tune the radio to a lower or higher frequency.
8	PRESET ▼/▲ buttons	Press to tune the radio to the previous or next preset station.
9	BASS -/+ buttons	Press to decrease or increase the bass.
10	TONE DIRECT button	Press to bypass the tone circuitry of your receiver.
11	STANDBY button	Press to turn your receiver to standby mode.
12	DIMMER button	Press to adjust the brightness of the display.
13	SLEEP button	Press to cycle through the available sleep timer intervals (from 10 to 90 minutes).
14	MEMORY button	Press to memorize a preset station. Press and hold to automatically memorize as many as 30 FM stations.
15	Input selector buttons	Press to select your receiver input source.
16	VOLUME ▲/▼ buttons	Press to increase or decrease the volume.
17	TREBLE -/+ buttons	Press to decrease or increase the treble.
18	BALANCE L/R buttons	Press to adjust the balance to the left or right.

Package contents

- Receiver
- Remote control
- AAA batteries (2)
- User Guide
- Quick Setup Guide

Setting up your receiver

Finding a location for your receiver

- Install your receiver on a stable flat surface. Position your receiver so that it can have a direct line of sight to the remote control.
- Do not expose your receiver to extremes of temperature or humidity.
- Avoid placing your receiver on a hot surface such as on top of other hot running equipment. Make sure that there is adequate ventilation to your receiver.

Caution

Do not install this receiver in a confined space such as a bookcase.

Note

Connect the AC cord only after the speakers, antenna, and all optional equipment have been connected. Never make or change any connections with the power turned on.

Connecting devices

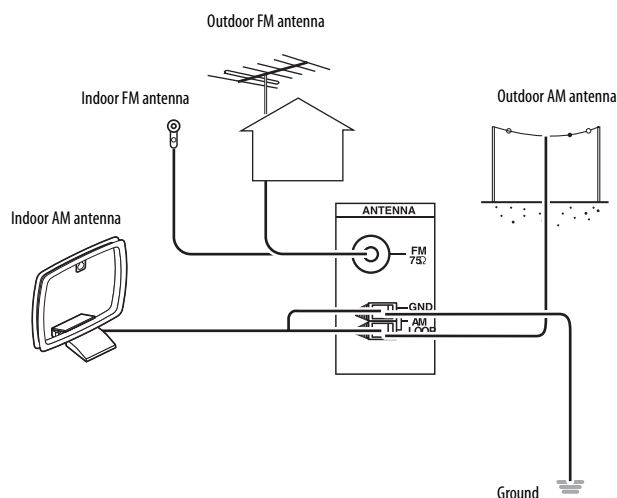
Warning

Do not plug the AC cord into the AC outlet until all connections are completed.

Notes

Be sure to observe the color coding when connecting audio and speaker cords. Make connections firmly and correctly. Failure to do this can cause loss of sound, add noise to the sound, or damage your receiver.

Connecting the antennas



To connect the antennas:

- 1 Connect the FM antenna to your receiver.

Note

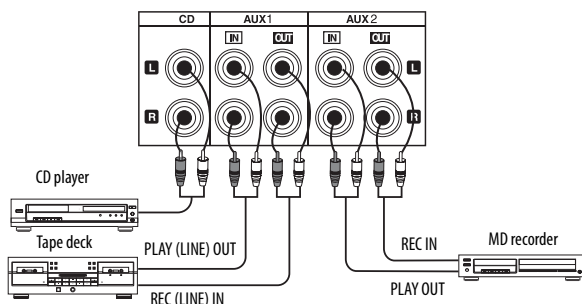
If you are using an indoor FM antenna, change the position of the antenna until you get the best reception of your favorite FM stations. To improve reception, you may use a 75 Ω outdoor antenna instead of an indoor antenna. Disconnect the indoor antenna before replacing it with an outdoor antenna.

- 2 Connect the AM loop antenna to the receiver.

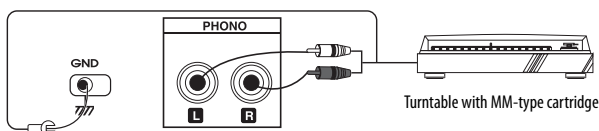
Note

Place the AM loop antenna as far as possible from the receiver, television, speaker cords, and the AC cord. Change the position of the antenna until you get the best reception of your favorite AM stations. To improve reception, you may use an outdoor AM antenna instead of a loop AM antenna. Disconnect the indoor antenna before replacing it with an outdoor antenna.

Connecting audio components



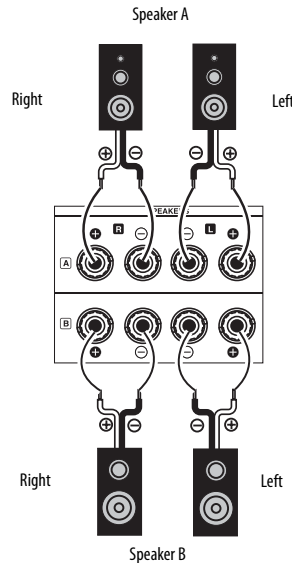
Connecting a turntable



Note

To connect a turntable with an MC type cartridge, use a separate head amplifier or step-up transformer.

Connecting speakers



Caution

Use speakers with an impedance of 8 Ω or more if using only the SPEAKER A or SPEAKER B terminals. Use speakers with an impedance over 16 Ω or more if using both the SPEAKER A or SPEAKER B terminals.

Do not let the bare speaker wires touch each other or any metal part of this receiver. Doing so may damage the receiver or speaker.

To connect your speakers:

- Connect your speaker cables to the receiver.

Notes

If you have only one pair of speakers, connect them to the SPEAKER A terminals.

Be sure to connect the speakers firmly and correctly according to the channel (left and right) and the polarity (+ and -). If you do not make the connections correctly, you will not hear any sounds from the speakers.

If the sound is unnatural and lacks bass, the speaker polarity is incorrect.

Connecting headphones



To connect your headphones:

- Insert the headphone plug into the headphone jack on the receiver.

Note

To hear sound from the headphones, make sure the **SPEAKER A** and **SPEAKER B** buttons on the remote control or the **Speaker A/B** button on the receiver are set to off.

Connecting the power

To connect your receiver to power:

- Plug the power cord into an AC outlet.

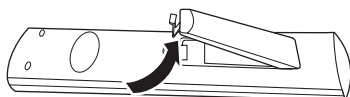
Installing batteries

Caution

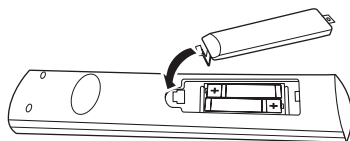
Do not use Ni-Cd rechargeable batteries in this remote control.
Remove the batteries if they are not to be used for an extended period of time.

To install the batteries:

- 1 Remove the cover.



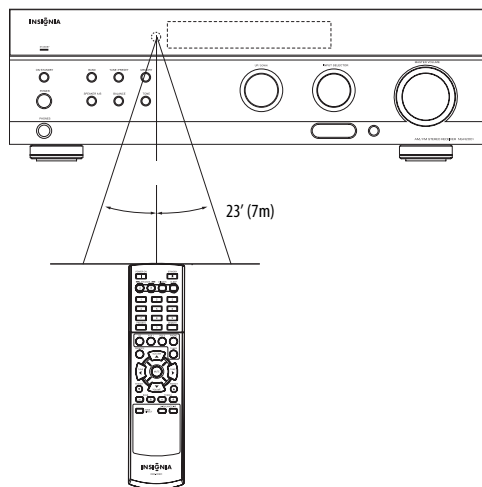
- 2 Insert two AAA batteries into the compartment matching the polarity indicated.



- 3 Replace the cover.

Using the remote control

Use the remote control by pointing it towards the receiver's remote sensor window. Objects between the remote control and sensor window may prevent proper operation.



Use the remote control within about 23 feet (7 meters) of the receiver and within 30 degrees of perpendicular to the front of the receiver.

Cautions

- Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
- Do not place the remote control under direct sunlight. The heat may cause deformation of the remote control.
- The remote control may not work properly if the remote sensor window of the receiver is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or receiver, or operate the remote control closer to the remote sensor window.

Using your receiver

Tips

The following settings are stored in memory before the receiver is turned off:

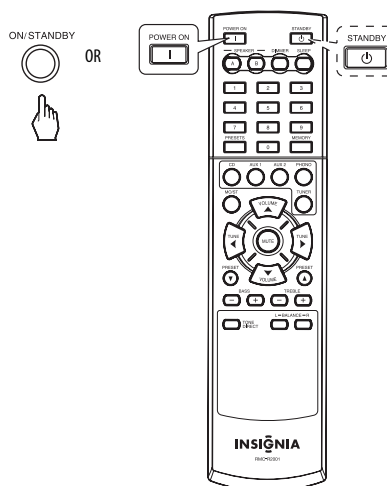
- INPUT SELECTOR settings
- Preset stations.

If the electricity fails or the AC power cord is unplugged for more than a week, your memory is cleared.

Listening to your receiver

To listen to your receiver:

- 1 Press the **POWER** button on the receiver to put the receiver in Standby mode. The **STANDBY** indicator lights blue.
- 2 Press the **POWER ON** button on the remote control or the **ON/STANDBY** button on the receiver to turn the receiver on.

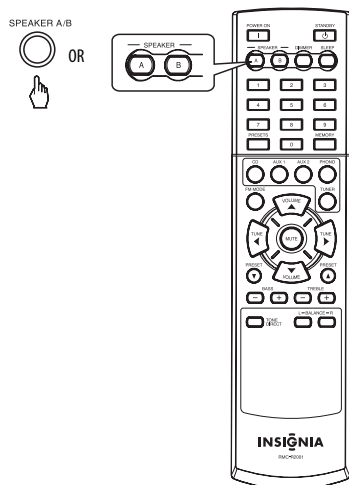


Tip

You can put the receiver in Standby mode by pressing the **STANDBY** button on the remote control when the receiver is on.

With the receiver in Standby mode, you can also turn the power on by pressing an Input Selector button on the remote control.

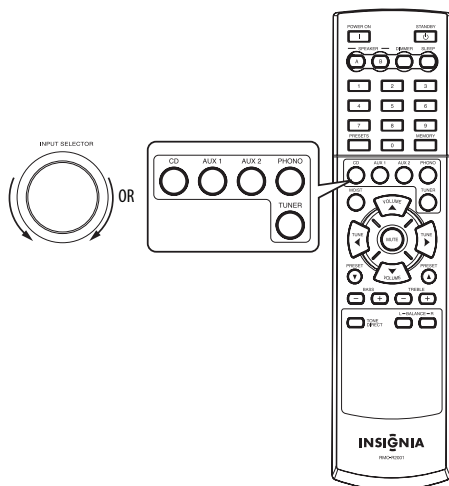
- 3** To listen to the speakers, press the **SPEAKER A** or **SPEAKER B** button on the remote control or the **SPEAKER A/B** button on the receiver to turn the corresponding speakers on. **SPK A**, **SPK B**, or **SPK AB** appears on the display and sound can be heard from the speakers.



-OR-

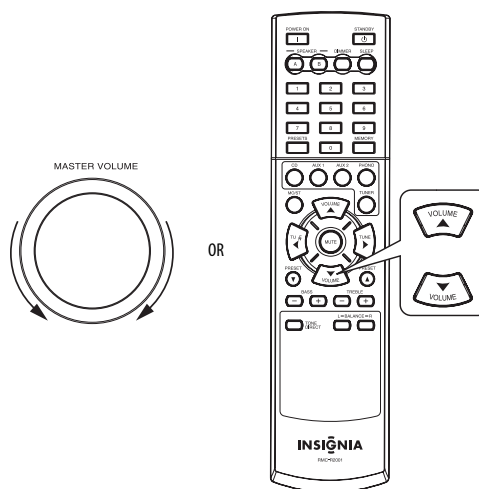
To listen to the headphones, press the **SPEAKER A** or **SPEAKER B** button on the remote control or the **SPEAKER A/B** button on the receiver to turn the corresponding speakers off. The corresponding speaker indicator turns off, **H** appears on the display, and sound can be heard from the headphones.

- 4** Rotate the **INPUT SELECTOR** knob or press the Input Selector button to select the input source.



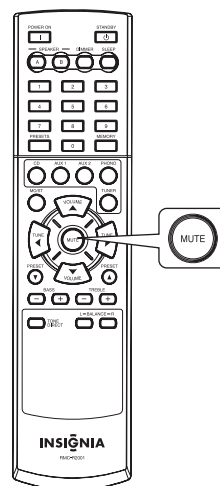
- 5** Turn on and setup the component for playback.

- 6** Turn the **MASTER VOLUME** dial or press the **VOLUME ▲/▼** buttons to adjust the sound level.



-OR-

Press the **MUTE** button to turn the sound off. **MUTE** flickers on the display. Press the **MUTE** button again to turn the sound back on.



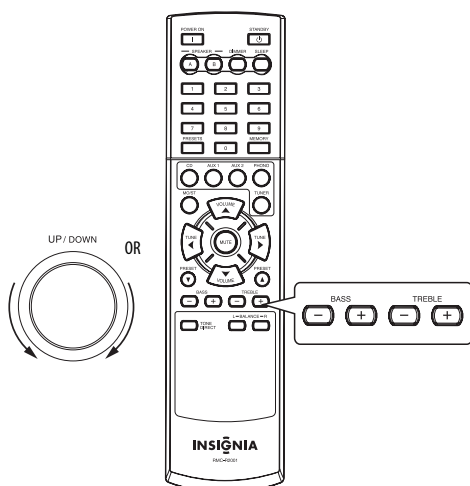
Adjusting the tone

To adjust the tone:

- 1** Repeatedly press the **TONE** button to cycle through the available tone modes (**BASS>TREBLE>TON CTRL**). The tone mode is displayed for three seconds.



- 2 Within the tone mode, rotate the **UP/DOWN** knob or press the **TREBLE+/-** or **BASS+/-** buttons to adjust the tone.



Notes

- If the tone display disappears, start again from step 1.
- While displaying "TON CTRL", if the **UP/DOWN** knob is rotated, "TON DIR" will be displayed, and vice versa.
- When pressing the **TREBLE+/-** or **BASS+/-** buttons, you can skip step 1.
- Extreme settings at high volume may damage your speakers.
- In general, the bass and treble levels are adjusted to 0.

- 3 Press the **TONE DIRECT** button to listen to a program without the tone effect.

Notes

- **TON DIR** is displayed, **DIR** lights up and the sound bypasses the tone circuitry.
- To cancel the tone direct function, press this button again. **TON CTRL** is displayed and **DIR** turns off.

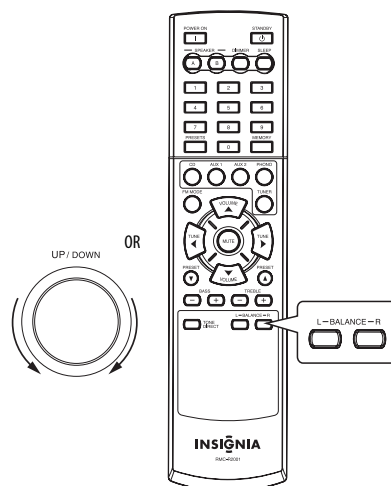
Adjusting the sound volume balance

To adjust the sound volume balance:

- 1 Press **Balance**. **BAL** and the balance level are displayed for three seconds.



- 2 Within the balance mode, rotate the **UP/DOWN** knob or press the **BALANCE L/R** buttons to adjust the balance.



Note

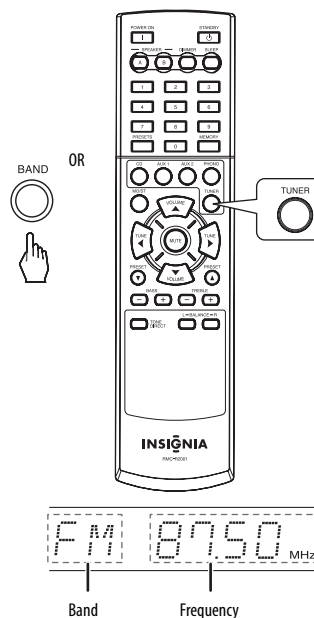
- If the balance display disappears, start again from step 1.
- When pressing the **BALANCE L/R** buttons, you can skip step 1.
- In general, the balance levels are adjusted to 0 dB.

Listening to the radio

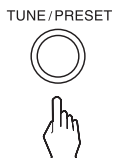
Auto tuning

To auto tune a radio station:

- 1 Repeatedly press **BAND** on the receiver or **TUNER** on the remote control to select AM or FM.



- 2 Press **TUNE/PRESET** to select the tuning mode.

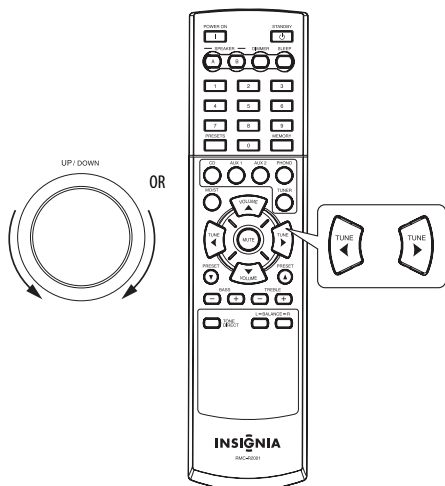


Note

Each time this button is pressed, the mode changes as follows:

- **TUNING** mode—**PRESET** turns off.
- **PRESET** mode—**PRESET** lights up.

- 3 Rotate the **UP/DOWN** knob quickly (over several steps once) or press hold the **TUNE** ◀/▶ buttons for more than 0.5 seconds.



The tuner searches until a station of sufficient strength has been found. The display shows the tuned frequency and **TUNE**.

If the station found is not the station you want to listen to, repeat this procedure.

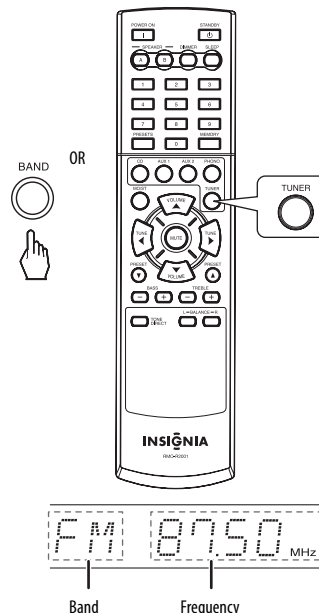
Weak stations are skipped during auto tuning.

Manual tuning

Manual tuning is useful when you already know the frequency of the station you want to listen to.

To manually tune a radio station:

- 1 Repeatedly press **BAND** on the receiver or **TUNER** on the remote control to select AM or FM.



- 2 Press **TUNE/PRESET** to select the tuning mode.

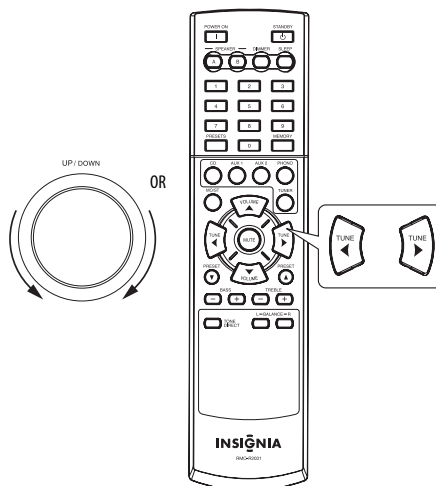


Note

Each time this button is pressed, the mode changes as follows:

- **TUNING** mode—**PRESET** turns off.
- **PRESET** mode—**PRESET** lights up.

- 3 Rotate the **UP/DOWN** knob one by one slowly or press the **TUNE** ◀/▶ buttons repeatedly until the right frequency has been reached.

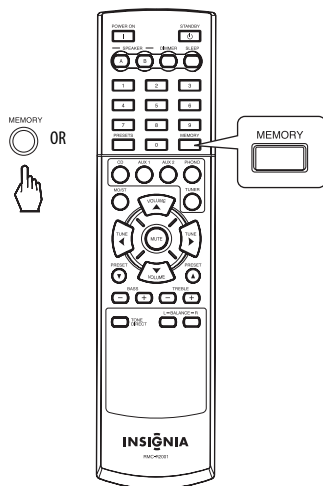


Presetting radio stations

You can store as many as 30 preset stations in memory.

To automatically preset radio stations:

- 1 In Radio mode, press and hold the **MEMORY** button for more than two seconds.



AUTO MEM blinks on the display and the receiver automatically searches for and presets as many as 30 FM stations.

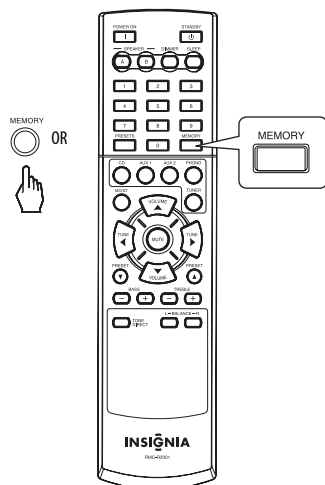
- 2 To stop automatically presetting stations, press **MEMORY** again.

Notes

- Weak FM stations cannot be memorized
- You can manually preset AM stations or weak stations.

To manually preset a radio station:

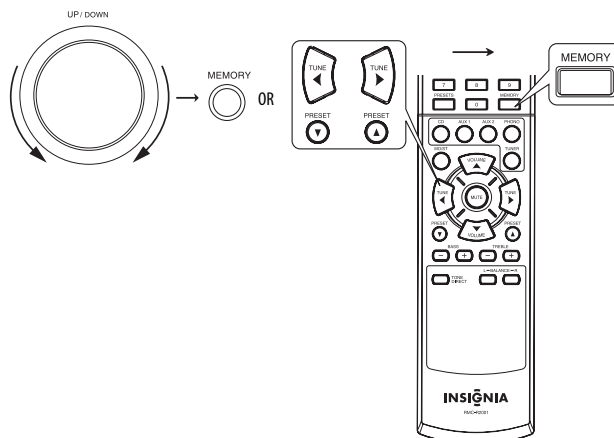
- 1 Tune to the station with auto or manual tuning.
- 2 Press the **MEMORY** button. **MEM** flickers for five seconds.



- 3 Select a preset number between 1 and 30 by turning the **UP/DOWN** knob, or by pressing the **TUNE** or **PRESET UP/DOWN** buttons, then pressing the **MEMORY** button again.

- OR -

Enter a preset number between 1 and 30 by using the number keys.



Notes

- When using the numeric keypad on the remote control, press the number you want. If your number is greater than nine, enter the first digit, then enter the second digit within two seconds.
- The station has been stored in memory. When using the numeric keypad, the station is stored automatically without pressing the **MEMORY** button.
- A stored frequency is erased from memory by storing another frequency in its place.
- If MEM goes off, start again from step 2.

- 4 Repeat this procedure to memorize additional stations.

Tuning to preset stations

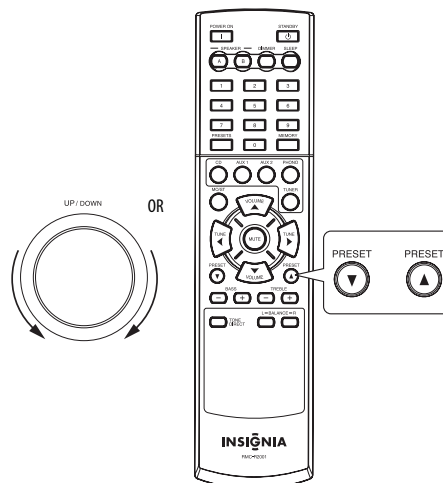
To tune to a preset station:

- 1 Select the tuner as the input source.
- 2 Press **TUNE/PRESET** to select the preset mode.



PRESET lights up.

- 3 Rotate the **UP/DOWN** knob or press the **PRESET** **▲/▼** buttons on the remote control.



-OR-

Enter the preset number using the numeric keypad.

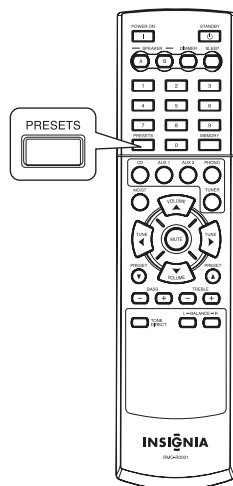
Note

When using the numeric keypad on the remote control, press the number you want. If your number is greater than nine, enter the first digit, then enter the second digit within two seconds.

Scanning preset stations in sequence

To scan preset stations:

- 1 Press the **PRESETS** button on the remote control.



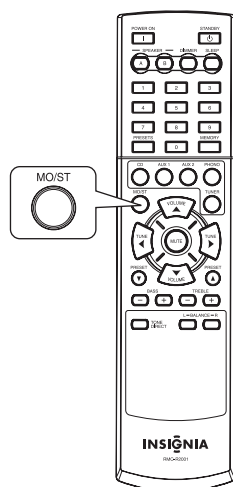
The receiver starts scanning the stations in the preset sequence. Each station is sampled for five seconds.

- 2 Press the **PRESETS** button again to stop scanning.

Listening to FM stereo broadcasts

To listen to FM stereo broadcasts:

- While listening to an FM broadcast, press the **MONO/STEREO** button.



Note

Each time this button is pressed, the FM mode changes as follows:

- Stereo mode—**ST** lights up
- Mono mode—**ST** turns off.

Note

If an FM stereo broadcast is poor, due to a weak broadcast signal, select the FM mono mode to reduce the noise. The FM broadcasts are reproduced in monaural sound.

Recording

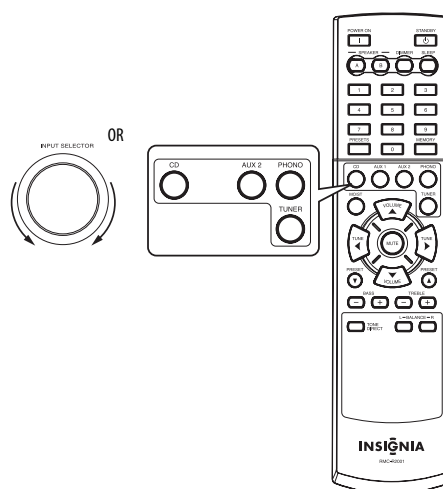
Notes

- The volume, tone (bass and treble), and balance settings have no effect on the recording signals.
- When you select tuner, CD, or PHONO as a recording source, recording may be made on AUX 1, or AUX 2, or both simultaneously.

Recording on AUX 1

To record on AUX 1:

- 1 Select the recording input source (this cannot be **AUX 1**).

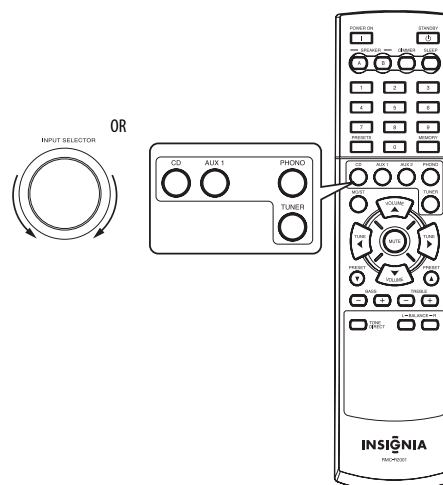


- 2 Start recording on the **AUX 1** device.
- 3 Start play on your input device.

Recording on AUX 2

To record on AUX 2:

- 1 Select the recording input source (this cannot be **AUX 2**).



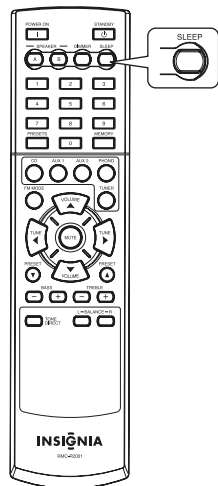
- 2 Start recording on the **AUX 2** device.
- 3 Start play on your input device.

Using the sleep timer

The sleep timer automatically turns the receiver off after a specified period of time.

To use the sleep timer:


- Press the **SLEEP** button to specify the amount of time you want the receiver to play.



Each time this button is pressed, the time changes as follows:

- 10 minutes
- 20 minutes
- 30 minutes
- 60 minutes
- 90 minutes
- OFF

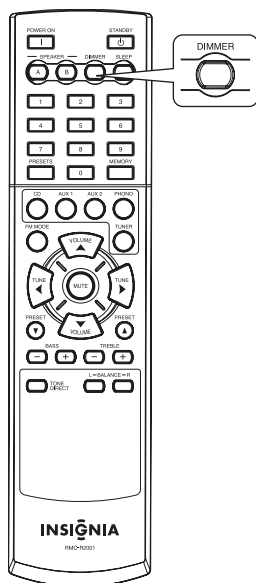
Note

While operating the sleep timer, the  lights up.

Adjusting the display brightness

To adjust the display brightness:

- Press the **DIMMER** button to specify the brightness of the display.



Each time this button is pressed, the brightness changes as follows:

- ON
- dimmer
- OFF

Note

If the display is off, pressing any button turns the display on.

Maintaining

To clean this receiver, wipe with a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.

- Never use alcohol, paint thinner, or benzene to clean this receiver.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

Troubleshooting

If a problem occurs, run through the table below before contacting Insignia.

If the problem persists, attempt to solve it by switching the receiver off and on again. If this fails to resolve the problem, contact Insignia. Under no circumstances should you attempt to repair the receiver yourself as this could void the warranty.

Category	Problem	Possible Solution
No power	<ul style="list-style-type: none"> • The AC power cord is disconnected. • Poor connection at AC wall outlet or the outlet is inactive. 	<ul style="list-style-type: none"> • Connect the cord securely. • Check the outlet using a lamp or another appliance.
No sound	<ul style="list-style-type: none"> • The speaker cords are disconnected. • The volume is adjusted too low. • The MUTE button on the remote control is pressed to ON. • Speakers are not switched on. • Incorrect selection of the input source. • Incorrect connections between the components. 	<ul style="list-style-type: none"> • Check the speaker connections. • Adjust the volume. • Press the MUTE button to cancel the muting effect. • Turn on one or both speakers. • Select the desired input source correctly. • Make connections correctly.
Stations cannot be received	<ul style="list-style-type: none"> • No antenna is connected. • The desired station frequency is not tuned in. • The antenna is in wrong position. 	<ul style="list-style-type: none"> • Connect an antenna. • Tune in the desired station frequency. • Move the antenna and retry tuning.
Preset stations cannot be received	<ul style="list-style-type: none"> • An incorrect station frequency has been memorized. • The memorized stations are cleared. 	<ul style="list-style-type: none"> • Memorize the correct station frequency. • Memorize the stations again.
Poor FM reception	<ul style="list-style-type: none"> • No antenna is connected. • The antenna is not positioned for the best reception. 	<ul style="list-style-type: none"> • Connect an antenna. • Change the position of the antenna.

Category	Problem	Possible Solution
Continuous hissing noise during FM reception, especially when a stereo broadcast is received.	Weak signals.	<ul style="list-style-type: none"> Change the position of the antenna. Install an outdoor FM antenna.
Continuous or intermittent hissing noise during AM reception, especially at night.	Noise is caused by motors, fluorescent lamps, or lightning.	<ul style="list-style-type: none"> Keep the receiver away from noise sources. Install an outdoor AM antenna.
No recording	<ul style="list-style-type: none"> Incorrect selection between the components. Incorrect operation of each component for playback and recording. 	<ul style="list-style-type: none"> Make connections correctly. Operate each component correctly.
Remote control unit does not operate.	<ul style="list-style-type: none"> Batteries are not loaded or are exhausted. The remote sensor is obstructed. 	<ul style="list-style-type: none"> Replace the batteries. Remove the obstacle.

Specifications

Notes

- Design and specifications are subject to change without notice.
- Weight and dimensions shown are approximate.
- Specifications and external appearance may be changed for the sake of improvement.

Amplifier	Power output, stereo mode, 8 Ω, THD 1%, 40 Hz~20 kHz:	2×100 W
	Total harmonic distortion, 8 Ω, 100 W, 40 Hz~20 kHz:	0.04%
	Intermodulation distortion, 60 Hz:7 kHz= 4:1 SMPTE, 8Ω, 100 W:	0.02 %
	Input sensitivity, 47 kΩ, Phono (MM):	2.5 mV
	Input sensitivity, 47 kΩ, Line (CD, AUX1, AUX2):	200 mV
	Signal to noise ratio, IHF "A" weighted, Phono (MM):	70 dB
	Signal to noise ratio, IHF "A" weighted, Line (CD, AUX1, AUX2):	95 dB
	Frequency response Phono (MM), RIAA, 30 Hz~20 kHz:	+/- 3 dB
	Frequency response Line (CD, AUX1, AUX2), 20 Hz~100 kHz:	+/- 3 dB
	Output level AUX1, AUX2 OUT, 2.2 kΩ:	200 mV
	Bass/Treble control, 100 Hz/10 kHz:	±10 dB

FM Tuner	Tuning frequency range:	87.5~107.9 MHz
	Usable sensitivity, THD 3%, S/N 30 dB:	15 dBf
	50 dB quieting sensitivity, mono/stereo:	25.2 / 45.2 dBf
	Signal to noise ratio, 65 dBf, mono/stereo:	68/65 dB
	Total harmonic distortion, 65 dBf, 1 kHz, mono/stereo:	0.5 / 0.8%
	Frequency response, 20 Hz~14 kHz:	+/- 3 dB
	Stereo separation, 1 kHz:	40 dB
	Capture ratio:	4 dB
	IF rejection ratio:	80 dB
AM Tuner	Tuning frequency range:	530~1710 kHz
	Usable sensitivity:	800 μV/m
	Signal to noise ratio:	40 dB
	Selectivity:	25 dB

General	Power supply:	120 V ~ 60 Hz
	Power consumption:	2.5 A
	Dimensions (W×H×D, including protruding parts):	17-3/8×5-1/2×15 inches (440×141×381 mm)
	Weight (Net):	17.4 lbs (7.9 kg)

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

One-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new **NS-R2001** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries

- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insigniaproducts.com

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www.insigniaproducts.com (877) 467-4289

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